

TROUBLESHOOTING AND MAINTAINING THE SLOAN ECOS DUAL FLUSH

1 PROBLEM: *SENSOR FLASHES CONTINUOUSLY WHEN USER STEPS WITHIN RANGE*

CAUSE: A) Unit in start-up mode

SOLUTION: A) No problem. This feature is active for the first ten minutes of operation.

2 PROBLEM: *VALVE DOESN'T FLUSH; SENSOR NOT PICKING UP USER*

CAUSE: A) Range too short.

SOLUTION: A) Increase the range.

3 PROBLEM: *VALVE DOESN'T FLUSH; SENSOR PICKING UP OPPOSITE WALL OR SURFACE OR ONLY FLUSHES WHEN SOMEONE WALKS BY. RED LIGHT FLASHES CONTINUOUSLY OR FIRST TEN MINUTES EVEN WITH NO ONE IN FRONT OF THE SENSOR.*

CAUSE: A) Range too long.

SOLUTION: A) Shorten range.

4 PROBLEM: *VALVE DOES NOT FLUSH EVEN AFTER ADJUSTMENT*

CAUSE: A) Range adjustment potentiometer set at full "max" or full "min" setting.

B) Batteries completely used up.

C) Problem with electronic sensor module.

SOLUTION: A) Re-adjust potentiometer away from full "max" or "min" setting.

B) Replace batteries.

C) Call Equiparts to replace electronic sensor module.

5 PROBLEM: *UNIT FLASHES FOUR QUICK TIMES WHEN USER STEPS WITHIN RANGE*

CAUSE: A) Batteries low.

SOLUTION: A) Replace batteries.

6 PROBLEM: *VALVE DOES NOT SHUT OFF.*

CAUSE: A) By-pass orifice in diaphragm is clogged with dirt or debris, or by-pass is clogged by an invisible gelatinous film due to "overtreated" water.

B) Dirt or debris fouling stem or flex tube diaphragm.

C) O-ring on stem of flex tube diaphragm is damaged or worn.

D) Problem with electronic sensor module.

SOLUTION: A) Remove flex tube diaphragm and wash under running water. **NOTE:** size of orifice in by-pass is of utmost importance for the proper metering of water by the valve. Equiparts recommends that you do not enlarge or damage this orifice. Replace flex tube diaphragm if cleaning does not correct the problem.

B) Remove flex tube diaphragm and wash under running water.

C) Replace o-ring if necessary.

D) Electronic sensor module.

7 PROBLEM: *NOT ENOUGH WATER TO FIXTURE*

CAUSE: A) Wrong flush volume regulator installed in flex tube diaphragm kit.

B) Wrong sloan ECOS™ model installed; i.e. 1.6 GPF model installed on 3.5 GPF.

C) Enlarged bypass in diaphragm.

D) Control stop not adjusted properly.

E) Inadequate volume or pressure at supply.

SOLUTION: A) Install the correct regulator.

B) Replace with proper ECOS™ model.

C) Replace flex tube diaphragm.

D) Readjust control stop.

E) Increase water pressure or supply (flow) to valve. Call Equiparts for assistance.

8 PROBLEM: *TOO MUCH WATER TO FIXTURE*

CAUSE: A) Wrong flush volume regulator installed in flex tube diaphragm kit.

B) Control stop not adjusted properly.

C) Wrong ecos™ model installed; i.e. 3.5 GPF model installed on 1.6 GPF fixture.

D) Dirt in diaphragm bypass.

SOLUTION: A) Install the correct regulator.

B) Readjust control stop.

C) Replace with proper ECOS™ model.

D) Clean under running water or replace flex tube diaphragm.

BATTERY REPLACEMENT

When required, replace batteries with four (4) alkaline type AA batteries. Note: water does not have to be turned off to replace batteries. Loosen the two (2) screws on top of unit. Remove the complete cover assembly. Lift the sensor module from its plate. Unplug the electrical connector from battery compartment cover. Loosen the retaining screw on battery compartment cover, and remove battery compartment cover. Install four (4) alkaline type aa batteries exactly as illustrated below.

Install battery compartment cover and secure with retaining screw. Make certain that battery compartment cover is fully compressed against gasket to provide a seal. Do not overtighten. Plug the electrical connector into the battery compartment cover. Reinstall the sensor module onto the plate. Reinstall the complete cover assembly onto the plate. Tighten the two (2) screws on top of the unit.

CARE & CLEANING INSTRUCTIONS

Do not use abrasive or chemical cleaners to clean flushometers, they may dull the luster and attack the chrome or special decorative finishes. Use only soap and water, then wipe dry with clean cloth or towel. While cleaning the bathroom tile, the flushometer should be protected from any splattering of cleaner. Acids and cleaning fluids can discolor or remove chrome plating.